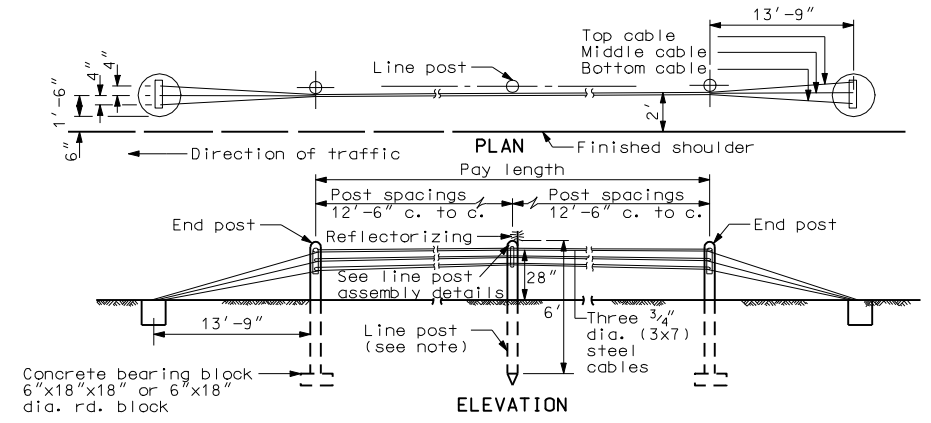
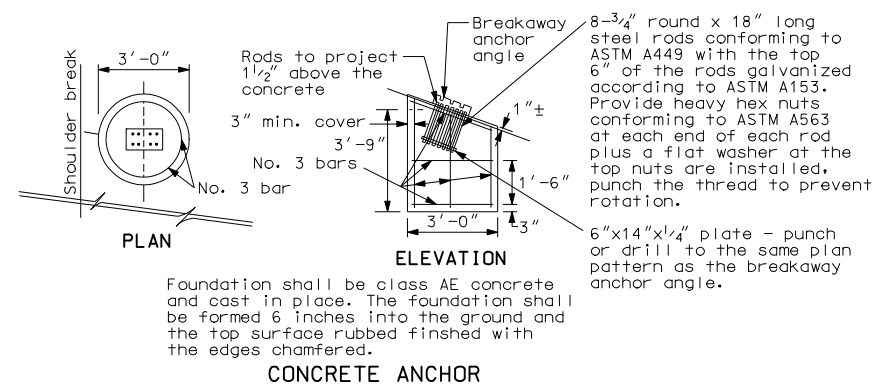


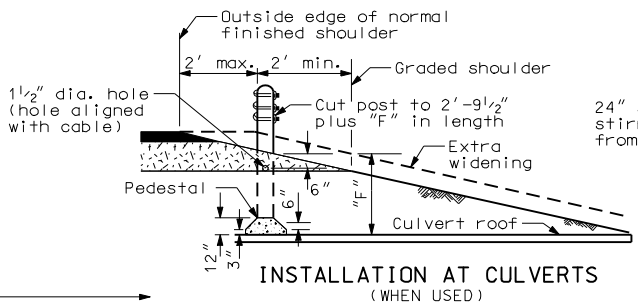
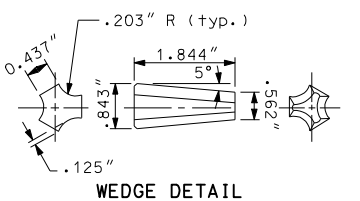
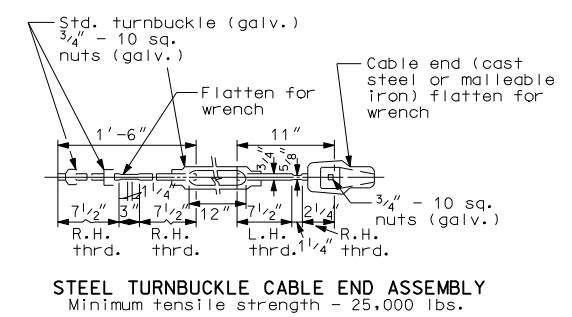
THREE CABLE GUARDRAIL



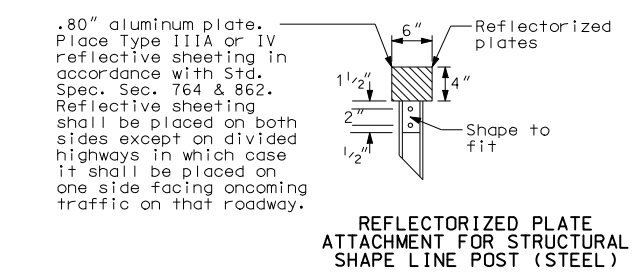
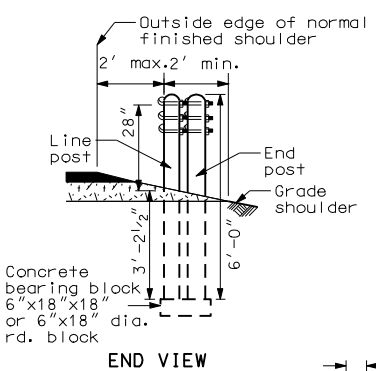
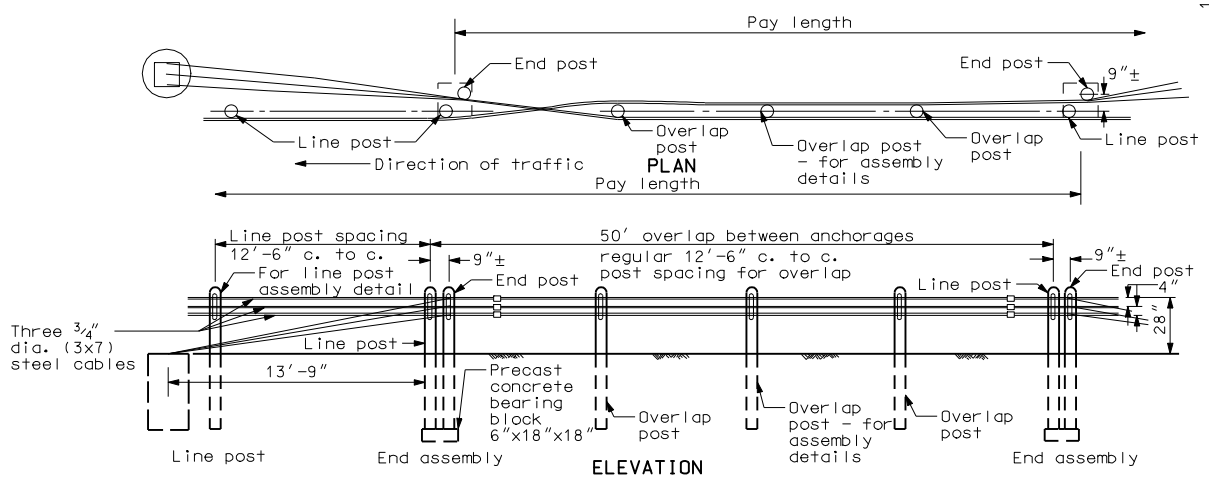
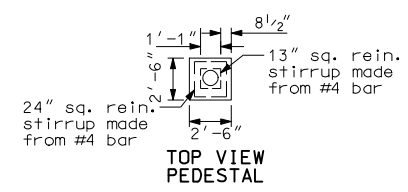
Note: Line post may be pointed to facilitate driving, but they shall have the additional length of the point (6'-0" plus point length).



Foundation shall be class AE concrete and cast in place. The foundation shall be formed 6 inches into the ground and the top surface rubbed finished with the edges chamfered.



Detail of concrete pedestal for posts to be used over culverts or footings when dimension "F" is less than 3'-8". When Z or round posts are used and the pedestal required the post hole in the pedestal shall be varied as required by the post shape.

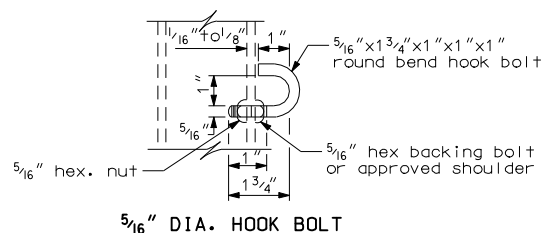
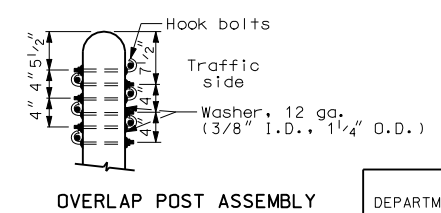
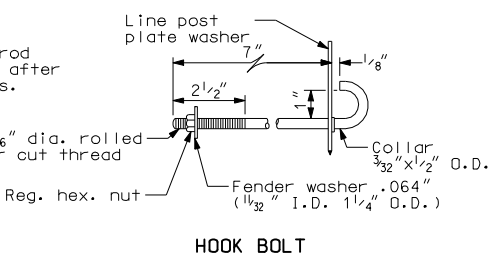
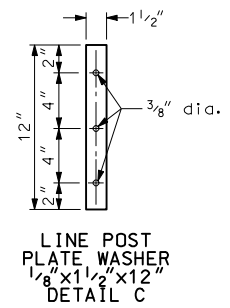
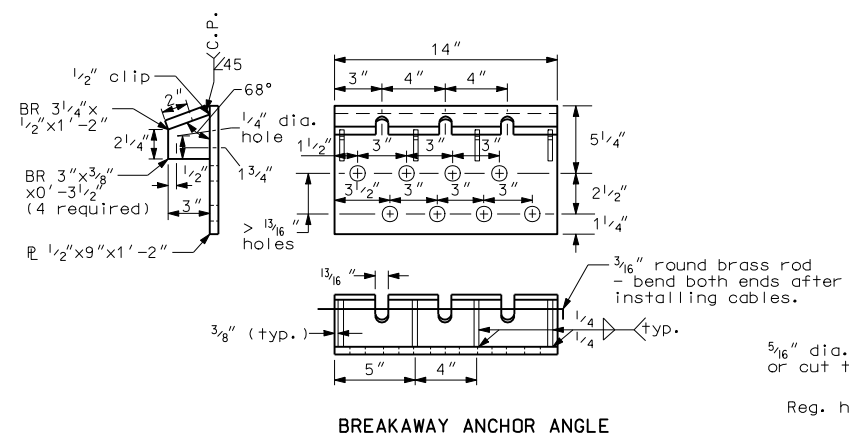
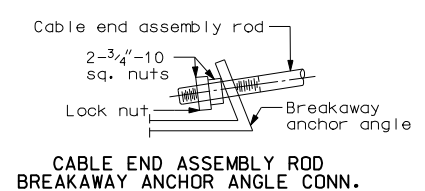
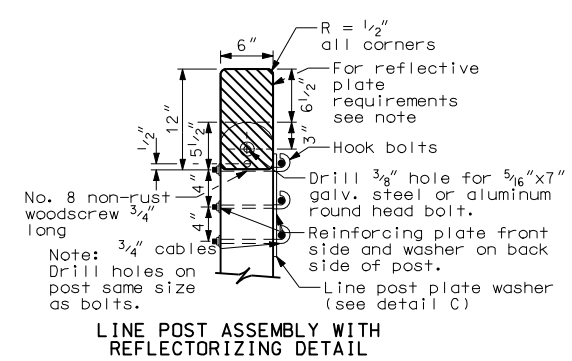


Notes: ReflectORIZED Plates: Reflector plates shall be on first and last posts. Spacing in-between at 25' centers on guardrail less than 250' in length and at 50' centers for guardrail over 250' in length. The reflector shall be the same color as the pavement marking adjacent to that reflector unless noted otherwise on the plans.

Intermediate anchors shall be equally spaced at intervals not to exceed 1000 ft. on tangents and the outside of horizontal curves. Do not use cable guardrail on the inside of curves sharper than 4°. On the inside of curves 4° or flatter, intermediate anchors shall be spaced at intervals not to exceed:

DEGREE OF CURVE (> MEASUREMENT)	DISTANCE BETWEEN INTERMEDIATE ANCHORS
4°	150 ft.
3°	175 ft.
2°	215 ft.
1°	300 ft.
30 minutes	430 ft.
15 minutes	600 ft.

For intermediate curves, interpolate between values listed above.



NORTH DAKOTA DEPARTMENT OF TRANSPORTATION	
10-1-86	
REVISIONS	
DATE	CHANGE
03-21-94	General revisions
06-27-94	General revisions
08-29-95	General revisions
11-25-96	Remove cable end assembly detail
06-15-98	Concrete foundation
12-01-04	PE Stamp added

This document was originally issued and sealed by MARK S GAYDOS, Registration Number PE-4518, on 12/01/04 and the original document is stored at the North Dakota Department of Transportation